Memorandum

To: *Stephanie Vaughn (USEPA)*
Elizabeth Buckrucker (USACE)

From: *Sharon Budney (CDM)*
George Molnar (CDM)

Date: *August 3, 2010*

Re: *Status Report (July 2010)*
CPG Oversight of Physical Water Column Monitoring
Lower Passaic River Restoration Project

On behalf of the United States Environmental Protection Agency (EPA) and the United States Army Corps of Engineers (USACE), Kansas City District, CDM Federal Programs Corporation (CDM) is providing oversight of the Cooperating Parties Group (CPG) remedial investigation/feasibility study (RI/FS) field activities associated with physical water column monitoring (PWCM), and the collection of physical data in the Lower Passaic River (LPR).

CDM oversight activities were conducted July 21 through July 23, 2010. Oversight included the observation of instrument retrieval, and collection of samples in the LPR in support of the CPG PWCM study. In addition, CDM also collected split samples at select locations. All activities were conducted in accordance with the CPG *Quality Assurance Project Plan (QAPP)/Field Sampling Plan Addendum, Remedial Investigation Water Column Monitoring/Physical Data Collection for the Lower Passaic River, Newark Bay and Wet Weather Monitoring, Lower Passaic River Restoration Project*, Revision 4, March 2010.

Photographs of field activities are in Attachment 1. Copies of the logbook notes are in Attachment 2. Copies of the chain of custody records are in Attachment 3.

Boat-Based Transect Survey at Locations below Dundee Dam (July 21, 2010)

The following summarizes oversight observations of acoustic Doppler current profile (ADCP) transect surveys and the collection of surface water samples from locations below Dundee Dam.

CDM oversight staff observed boat-based ADCP transect surveys at river miles (RMs) 1.4, 4.2, 6.7, 10.2, and 13.5. Transect surveys were conducted during ebb and flood tides. Each survey was conducted in the area of three predetermined locations (P1 through P3) moving across the river channel. Once each survey was finished, CPG contractor Ocean Surveys Incorporated (OSI) lowered a conductivity, temperature, and depth/optical backscatter (CTD/OBS) meter next the instruments to obtain a profile of real-time measurements through the water column. This was conducted at each location followed by the collection of surface water from three feet below river surface, and three feet above river bottom via pump and tubing mounted to the instrument. Samples were collected for suspended solids

concentration (SSC), dissolved organic carbon (DOC), and particulate organic carbon (POC) analysis from locations collocated with moored instruments, and from locations furthest away. These locations consisted of P1 or P3 at every RM. No samples were collected for DOC and POC analysis from locations P2 at any RM.

CDM oversight staff collected split samples during the flood tide transect survey from both depths at locations collocated with moored instruments. Samples were collected for SSC, DOC, and POC analysis, and were collected at the same time as those collected by AECOM via "Y" junction at the end of tubing which was connected to the pump. Split samples and corresponding CPG samples are presented in Table 1. Split samples were delivered via hand courier to the EPA Division of Environmental Science and Assessment (DESA) laboratory for analysis. Copies of CDM's signed chain of custodies can be found in Attachment 3.

Boat-Based Transect Survey and Instrument Retrieval above Dundee Dam (July 22, 2010)
The following summarizes oversight observations of the ADCP transect survey, collection of surface water samples, and OBS meter retrieval above Dundee Dam (RM 17.5). Per the CPG QAPP, only an OBS meter is deployed at this location which is affixed to a buoy suspending it three feet below river surface.

OSI conducted the boat-based ADCP transect survey along four predetermined locations (P1 through P4) moving across the river channel. After the survey, a CTD/OBS meter was lowed at each of the locations along the transect line to obtain a profile of real-time measurements through the water column and collect samples from three feet below river surface. At the location of the buoy-mounted OBS meter (P2), samples were collected three feet below river surface and three feet above river bottom. All samples were analyzed for SSC, DOC, and POC. CTD/OBS measurements were recorded in real-time during sampling activities.

CDM oversight staff collected split samples from both depths for SSC, DOC, and POC analysis at Location P2. Samples were collected at the same time as those collected by AECOM via "Y" junction at the end of tubing which was connected to the pump. Split samples and corresponding CPG samples are presented in Table 1. Split samples were delivered via hand courier to the EPA DESA laboratory for analysis. Copies of CDM's signed chain of custodies can be found in Attachment 3.

After sampling, the OBS meter was pulled and crews departed the area. CDM oversight staff then met with a second crew OSI and AECOM crew who already pulled instruments from RMs 1.4 and 4.2. Crews were waiting for a team member to return with a tool before heading out to other RMs locations. CDM departed the site to deliver samples.

Instrument Retrieval at RMs 6.7, 10.2 and 13.5 (July 23, 2010)
The following summarizes oversight observations of instrument retrieval conducted June 23 RMs 6.7, 10.2, and 13.5. AECOM and OSI never went back on the river the previous day after instruments from RMS 1.4 and 4.2 were pulled.

Prior to retrieving instruments crews collected samples for SSC analysis at each location. Prior to sample collection a CTD/OBS meter was lowered next the instruments to obtain a profile of real-time measurements through the water column. Afterwards, surface water samples for SSC were collected three feet above river bottom, and three below river surface via pump

mounted to the CTD/OBS meter. During sample collection, real-time readings were measured by the CTD/OBS meter.

Once all SSC samples were collected from each RM, instruments were pulled, inspected for damage, and data were downloaded. All instruments pulled were functioning fine. All *in-situ* PWCM monitoring activities on the LPR were completed.

Table 1
Cooperating Parties Group and CDM Split Sample Identification
July 2010 Physical Water Column Monitoring Oversight
Lower Passaic River Restoration Project
Lower Passaic River, New Jersey

River Mile	Mooring Location	CPG Sample ID	CDM Split Sample ID	QC Samples	Tide Event	Collection Date	Analysis
1.4	P3	10A-E21-T014-P3-AS	10A-E21-T014-P3-AS-C		flood	7/21/2010	SSC, DOC, POC
		10A-E21-T014-P3-BS	10A-E21-T014-P3-BS-C		flood	7/21/2010	SSC, DOC, POC
4.2	P1	10A-E21-T042-P1-AS	10A-E21-T042-P1-AS-C		flood	7/21/2010	SSC, DOC, POC
		10A-E21-T042-P1-BS	10A-E21-T042-P1-BS-C		flood	7/21/2010	SSC, DOC, POC
6.7	P3	10A-E21-T067-P3-AS	10A-E21-T067-P3-AS-C		flood	7/21/2010	SSC, DOC, POC
		10A-E21-T067-P3-BS	10A-E21-T067-P3-BS-C		flood	7/21/2010	SSC, DOC, POC
10.2	P1	10A-E21-T102-P1-AS	10A-E21-T102-P1-AS-C		flood	7/21/2010	SSC, DOC, POC
		10A-E21-T102-P1-BS	10A-E21-T102-P1-BS-C		flood	7/21/2010	SSC, DOC, POC
13.5	P3	10A-E21-T135-P3-AS	10A-E21-T135-P3-AS-C		flood	7/21/2010	SSC, DOC, POC
		10A-E21-T135-P3-BS	10A-E21-T135-P3-BS-C		flood	7/21/2010	SSC, DOC, POC
17.5*	P2	10A-E20-T175-P2-AS	10A-E20-T175-P2-AS-C	MS **	NA	7/22/2010	SSC, DOC, POC
			10A-E20-T175-P2-AS-X	Duplicate ***	NA	7/22/2010	SSC, DOC, POC
		10A-E20-T175-P2-BS	10A-E20-T175-P2-BS-C		NA	7/22/2010	SSC, DOC, POC

CPG - Cooperating Parties Group
ID - identification
QC - quality control
SSC- suspended solids concentration
DOC - dissolved organic carbon
POC - particulate organic carbon
MS - matrix spike
NA - not applicable; location above head of tide
* - location above Dundee Dam
** - MS only for DOC analysis
*** - field duplicate sample of CDM split sample 10A-E20-T175-P2-AS-C denoted with the prefix "X"

CPG samples and CDM split samples are identified by Program-Event-Transect-Station-Depth-Type; split samples are followed by the prefix "C"
Where:
Program - Two-digit year plus "A" identifying the Spring 2010 Passaic River sampling program
Event - "E" plus two digit sequence number for sampling event
Transect - "T" plus three-digit representation of river miles by tenths. For example, T042 indicates river mile 4.2
Station - "P" plus single-digit sequence for position along transect moving from left bank. For example, "P2" for second location.
Depth - Single character sequence letter for depth interval. "A" for depth interval nearest river surface (i.e., three feet below surface); "B" for intervals of increasing depth (i.e., three feet above river bottom)
Type - Single character for sample type: "S" for normal sample

Attachment 1
Photographs of Physical Water Column Monitoring Activities

Photograph 1. CTD/OBS/ADCP mooring array immediately after pulling from river bottom.

Photograph 2. Crews rinsing off CTD/OBS/ADCP mooring array prior to disassembly.

Photograph 3. AECOM representative collecting a sample at RM 13.5.

Photograph 4. Crews pulling up mooring array. Note ADCP meter on the right.

Photograph 5. Crew member prepping equipment for ADCP transect survey.

Photograph 6. Hose used to collect splits samples along with CPG's samples.

Attachment 2

Copies of Oversight Field Logbook Notes

Location LPRSA Date 7-21-10

Project / Client USACE

J. Rakowski

PPE: Modified Level D

Weather: 75° farenheit

Personnel: JR of CDM

Objective: Acceptance of Split Sampling and oversight on river miles 1.4 and 4.3.

0620 JR arrives onsite

0635 Ready able 2 takes off for hackensack area

0730 Ready able 2 arrives back at dock

0735 Ready able 2 sets sail.

0750 Ready able 2 arrives at 10A-E21-T014-P1 location

Onboard - AECOM Erin Gouern, GSI Ryan Bollenbach, Kevin Rider

- Note we are currently at high tide.

0805 AECOM samples 10A-E21-T011-P1-BS. 10A-E21-T014-P1-AS

0812 10A-E21-T014-P2-BS and AS sample times.

0816 10A-E21-T014-P3-AS

J.R 7-21-10

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Project / Client USACE

J. Rakowski

*0818 10A-E21-T014-P3-BS

Note Sample times will be in Greenwich times 1216 and 1218. CDM accepted Split samples at these locations A-C was added to the Sample IDs for CDM Samples.

0630 RV Ready 2 arrives at River Mile 4.2.

*0841 10A-E21-T04.2-P1-BS Sample time. Split sample accepted

*0842 10A-E21-T042-P1-AS sample time. Split sample accepted

-Note Sample times on bottles have 1241 and 1242 which is Greenwich Time, AR 7-21-10

0846 1246 10A-E21-T042-P2-BS

1246 0847 10A-E21-T042-P2-AS

1251 10A-E21-T042-P3-BS

1252 10A-E21-T042-P3-AS

0910 RV Ready 2 departs and will depart back in afternoon.

1345 RV Ready II departs dock. AR 7-21-10

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Project / Client USACE

J. Rakowski

dock at Passaic River Yacht Club.

1410 OSI arrives at River Mile 1.4.

1414 Sample collected at 10A-E22-T014-P1-BS.

1416 Sample collected at 10A-E22-T014-P1-AS.

*Note-despite what was stated on page #80 samples were processed with eastern Standard time.

1421 Sample collected at 10A-E22-T014-P2-BS

1422 Sample collected at 10A-E22-T014-P2-AS

1426 Sample collected at 10A-E22-T014-P3-BS

1427 Sample collected at 10A-E22-T014-AS

1430 RV Ready II heads to RM 4.2

1452 Sample collected at 10A-E22-T042-P1-BS

1453 Sample Collected at 10A-E22-T042-P1-AS

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Location LPRSA Date 7-21-10

Project / Client USACE

J. Rakowski

* Note - tide is currently low tide (ebb tide)
- All samples were collected according to AE-COM workplans ie - nitrile gloves were used - AS samples were collected 3' below surface, BS samples were collected 3' off of river bottom.

1457 Sample collected at 10A-E22-T042-P2-BS 22' River Bottom

1458 Sample collected at 10A-E22-T042-P2-AS

1503 Sample collected at 10A-E22-T042-P3-BS 17' River Bottom

1504 Sample collected at 10A-E22-P3-AS

* Note - Pictures were taken today of bottleware after collection of samples, OSI's pump, and RM 4.2 buoy

1525 RV Ready II locks - JR departs

L. R. 7-21-10

Location Passaic Date 7-21-10

Project / Client Lower Passaic River PWCM

06:30 → SO arrives at CPG dock in Rutherford, NJ

Weather → Partly cloudy w/ a chance of rain. Very humid ~ 88°F

PPE → Level D Modified

06:35 → Depart from CPG dock but wait for tide to switch.

06:55 → OSI crew: Dustin Koch & Jay DeLorenzo begin transect

07:08 → OSI takes profile of water column with CTD at location P1 of RM13.5

07:10 → AECOM collects sample at 10A-E21-T135-P1-BS for SSC and POC/DOC

07:11 → AECOM collects sample at 10A-E21-T135-P1-AS

07:15 → Move to P2 location at 10A-E21-T135-P2-AS and collect sample ~~BS~~ for SSC

07:17 → Collect sample at

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10A-E21-T135-P2-BS.

07:19 → Profile water column with CTD and collect sample 10A-E21-T135-P3-BS. CDM collects split sample at this location for analyses POC/DOC and SSC

07:22 → Raise CTD to 3' below water surface and collect sample 10A-E21-T135-P3-AS. CDM collects split sample at this location for SSC and POC/DOC

07:25 → Depart to RM10.2

07:35 → Arrive at RM10.2 and lower ADCP to begin transect.

07:56 → Take profile of water column at P1 location at RM 10.2. Lower CTD to 3' above bottom and collect sample at 10A-E21-T102-P1-BS-C. CDM collects split sample.

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07:58 → Raise CTD to 3' below water surface and collect sample at 10A-E01-T102-P2-AS-C. CDM collects split sample at this location.

08:03 → OSI moves to P2 location and collects sample 10A-E01-T102-P2-BS after taking profile of water column. AECOM collects dup sample 10A-E01-T102-P2-BT

08:04 → Raise CTD to 3' below water surface and collect sample 10A-E01-T102-P2-AS.

08:08 → OSI moves to P3 location and profiles water column. AECOM collects samples for POC/DOC and SSC at 10A-E01-T102-P3-BS

08:09 → OSI raises CTD to 3' below water surface and collects sample at

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10A-E01-T102-P3-AS

08:12 → Depart to location / RM 6.7.

* Note: All samples taken during the end of the flood tide.

08:25 → Arrive at RM 6.7 and OSI begins transect by lowering APCP

08:48 → Finish transect and OSI profiles water column AECOM collects samples at 10A-E01-T067-P1-BS for SSC and POC/DOC

08:50 → AECOM collects samples for POC/DOC and SSC at 10A-E01-T067-P1-AS.

* Note: OSI takes profile of water column at every location with CTD before collecting sample.

08:57 → Arrive at P2 location and profile water

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Project / Client Lower Passaic River PWCM

column and collect sample 10A-E21-T067-P2-BS and collect duplicate 10A-E21-T067-P2-BT

* Note: AECOM informs CDM oversight, SO that duplicate should have been taken ~~BT~~ from P1 location at RM 6.7. Instead, AECOM took duplicate from bottom at P2

09:05 → OSI moves to P3 location at RM 6.7. AECOM waits for OSI to profile water column before collecting samples

09:07 → AECOM collects sample at 10A-E21-T067-P3-BS for SSC & POC/DOC. CDM collects split sample.

09:09 → AECOM collects sample at 10A-E21-T067-P3-AS and collects duplicate 10A-E21-T067-P3-AT. CDM collected split samples

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from both bottom and top at P3 location to.

09:15 → Arrive back to CPG dock.

09:50 → Arrive back at CPG dock

10:00 → Arrive back at CPG facility. Jeff Rutowski of CDM and Mel Toberle of CDM are at facility.

10:05 → Pack samples into coolers with ice and set up FQL.

11:00 → Break for lunch

13:20 → Arrive back at CPG dock and go to RM 13.5

13:30 → OSI begins transects at RM 13.5 with ADCP

13:44 → AECOM collects sample at 10A-E22-T135-P1-BS

13:45 → AECOM collects sample at 10A-E22-T135-P1-AS

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13:47 → AECOM collects sample at 10A-E22-T135-P1-AT.

13:50 → OSI navigates to location P2 and collects sample 10A-E22-T135-P2-BS

13:51 → AECOM collects sample at 10A-E22-T135-P2-A

*Samples at P2 were only collected for SSC samples

13:55 → OSI navigates to P3 location. AECOM collects sample 10A-E22-T135-P3-BS and duplicate 10A-E22-T135-P3-BT

13:57 → AECOM collects sample at 10A-E22-T135-P3-AS.

14:10 → Arrive at RM 10.2 and lower ADCP into water to begin transect.

14:24 → AECOM collects 10A-E22-T102-P1-B2

14:25 - AECOM collects duplicate

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sample at 10A-E22-T102-P1-BT

14:26 → AECOM collects sample at 10A-E22-T102-P1-AS

14:29 → OSI moves to P2 location. AECOM will not be collecting sample for SSC analysis only! AECOM collects 10A-E22-T102-P2-BS

14:30 → AECOM collects sample at 10A-E22-T102-P2-AS

14:32 → OSI moves to P3 location and lowers CTD to profile water column.

14:33 → AECOM collects samples at 10A-E22-T102-P3-BS

14:34 → AECOM collects samples at 10A-E22-T102-P3-AS

14:45 → Arrive at RM 6.7 and lower ADCP into water to begin transect.

15:08 → AECOM collects

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sample at 10A-E22-T067-P1-BS

15:10 → AECOM collects samples at 10A-E22-T067-P1-AS

15:14 → OSI moves to P2 location at RM 6.7. AECOM collects sample (only SSC) at 10A-E22-T067-P2-BS

15:14 → AECOM collects sample (SSC only) at 10A-E22-T067-P2-AS

15:18 → OSI moves to P3 location and collects water profile. AECOM collects sample 10A-E22-T067-P3-BS.

15:18 → AECOM collects duplicate samples at 10A-E22-T067-P3-BT for SSC only.

15:19 → AECOM collects sample at 10A-E22-T067-P3-AS for SSC & POC/DOC

15:25 → Drive back to CPG dock.

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Duplicate

10A-E21-T067-P2-BT (SSC only)

10A-E21-T067-P3-AT (SSC only)

10A-E21-T067-P3-AT (POC/DOC SSC)

10A-E01-T102-P2-BT (SSC only)

10A-E22-T135-P3-BT (SSC only)

10A-E22-T102-P1-BT (POC/DOC SSC)

10A-E22-T067-P3-BT (SSC only)

10A-E22-T135-P1-AT (POC/DOC SSC)

16:00 → Arrive back at CPG facility to go over duplicates taken throughout day. Jeff Rutkowski calls SO to notify that all fieldwork has been completed and is en route back home

16:30 → SO talks with Sharon Budney to notify her of status of transect field activities. SO leaves site en route back home.

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09:05 → Arrive at boat launch across from Elmwood Park Memorial High School

Weather → Sunny, clear skies ~95°F

PPE → Level D Modified w/ life jacket

09:15 → OSI crew includes Jay DeLorenzo and boat captain Dustin Trach. AECOM has Mike Hauser on board. OSI has calibrated ADCP and departs to location 17.5.

09:32 → Lower ADCP into water at RM 17.5 and begin performing transect

09:52 → OSI lowers CTD into water at P1 from RM 17.5 to profile water column. AECOM collects 10A-E20-T175-P1-AS for SSC & POC/DOC.

09:56 → OSI moves onto P2 location and lowers

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CTD into water. AECOM collects sample 10A-E20-T175-P2-BS. CDM collects split sample for SSC & POC/DOC.

09:58 → AECOM collects sample 10A-E20-T175-P2-AS and CDM collects split sample for SSC and POC/DOC. CDM collects duplicate sample for SSC & POC/DOC and MSD for

10:03 → AECOM collects sample at 10A-E20-T175-P3-AS for SSC & POC/DOC

10:07 → AECOM collects sample for SSC & POC/DOC at 10A-E20-T175-P4-AS

10:15 → OSI pulls surface mooring out of water and downloads data.

10:35 → OSI uses power winch to pull up weights & anchor. CDM oversight noticed

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coal tar-like product on ~~mark~~ weight. Photo was taken of stained weight and surface mooring.

10:50 → OSI heads back to boat launch.

11:30 → OSI takes boat out of ~~launch~~ SO 7/22/10 water at boat launch. SO will meet OSI crew back at Passaic Yacht Club.

12:30 → SO arrives at Passaic Yacht Club. 2nd boat run by Steven Bodat w/ AECOM representative Erin Murphy are at dock waiting for Dustin Koch to arrive w/ a special tool. Bottom moorings were pulled from RM 1.4 & RM 4.2

12:45 → SO contacts Shawn Budney to update progress.

13:00 → SO leaves Passaic Yacht Club to drop off

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samples at DESA. SO will meet OSI at Passaic Yacht Club at 08:00 Friday morning to retrieve moorings at RM 6.7, 10.2 & 13.5.

COM split samples:

~~10A-E21-T067-P3-AS-C~~ SO 7/22/10

~~10A-E21-T067-P3-BS-C~~ SO 7/22/10

~~10A-E21-T102-P1-AS-C~~ SO 7/22/10

~~10A-E21-T102-P1-BS-C~~ SO 7/22/10

~~10A-E21-~~ SO 7/22/10

10A-E20-T175-P2-AS-C

10A-E20-T175-P2-AS-X

10A-E20-T175-P2-BS-C

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08:00 → SO meets at Passaic Yacht Club. OSI crew is present loading equipment onto boat and taking bottom moorings off of dock and loading into van. OSI crew include Steve Bodt (boat captain) and deckhand (Dustin Kadi). AECOM representative is Rae Wang.

08:15 → Rae Wang gives health & safety briefing for today's activities.

Weather → Cloudy, slightly humid ~ 88°F

PPE → Level D Modified with life jacket

08:30 → Depart Passaic Yacht Club to pull equipment from RM 6.7

09:10 → Arrive at RM 6.7 and lower CTD into water

09:15 → AECOM collects sample for SSC from 3' above river bottom. 10A-E23-T067-P3-AS

09:17 → AECOM collects sample for SSC from 3' below surface 10A-E23-T067-P3-AS

09:20 → En route to RM 10.2. Equipment will be pulled after SO 7/23/10 all samples have been collected

09:35 → Arrive at RM 10.2 and lower CTD into water

09:39 → AECOM collects bottom sample 10A-E23-T012-P1-BS for SSC

09:41 → AECOM collects top sample 10A-E23-T012-P1-AS for SSC analysis. Depart en route to RM 13.5

09:59 → Arrive at RM 13.5 and lower CTD into water

10:02 → AECOM collects bottom sample 10A-E23-T035-P3-BS for SSC.

10:03 → AECOM collects top sample 10A-E23-T135-

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P3-A5. All samples have been collected. OSI will begin pulling bottom and top mooring

10:15 → OSI pulls bottom mooring and downloads data from YSI and ADCP

10:35 → OSI pulls top mooring and downloads data from YSI.

10:50 → Depart to RM 10.2 to pull / download data from monitoring devices.

11:05 → Pull up bottom mooring at RM 10.2. OSI cleans off devices (monitoring) before downloading data from YSI model #6920 and ADCP.

11:40 → OSI locates line and pulls up top mooring.

12:15 → Arrive at RM 6.7 and attempt to retrieve pull-line.

12:22 → OSI locates pull line and pulls up bottom mooring up onto vessel.

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12:40 → OSI pulls up top mooring. Note: Top Mooring holding YSI is completely covered w/ barnacles and aquatic bugs. YSI needs to be thoroughly cleaned off.

12:50 → Depart back to Passaic Yacht Club.

13:25 → Arrive back at Passaic Yacht Club. Assist OSI in loading bottom moorings and surface moorings off of boat and onto dock.

14:00 → SO departs Passaic Yacht Club en route back home to send out daily report.

7/23/10

Attachment 3
Copies of Signed Chain of Custodies

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: R
Client No:

Region:	2	Date Shipped:	7/21/2010	**Chain of Custody Record**	Sampler Signature:
Project Code:		Carrier Name:	Hand Courier	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:		1 7/21/10	
CERCLIS ID:	NJD980528996	Shipped to:	DESA Laboraties/EPA	2	
Spill ID:	96		2890 Woodbridge Ave	3	
Site Name/State:	Lower Passaic River Restoration Project/N.		Bldg. 209	4	
Project Leader:	George Molnar		Edison NJ 08837		
Action:	Combined RI/FS		(732) 906-6886		
Sampling Co:	CDM				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
10A-E21-T067-P3-AS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T067-P3-AS-C	S: 7/21/2010	9:09	--
10A-E21-T067-P3-BS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T067-P3-BS-C	S: 7/21/2010	9:07	--
10A-E21-T102-P1-AS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T102-P1-AS-C	S: 7/21/2010	7:58	--
10A-E21-T102-P1-BS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T102-P1-BS-C	S: 7/21/2010	7:56	--
10A-E21-T135-P3-AS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T135-P3-AS-C	S: 7/21/2010	7:22	--
10A-E21-T135-P3-BS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T135-P3-BS-C	S: 7/21/2010	7:19	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

D/POCSS0.7 = DOC POC Suspended Solids (0.7 um filt, SS (1.5) = Suspended Solids (1.5 um)

TR Number: 2-043013577-072110-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

EPA USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: R
Client No:

Region:	2
Project Code:	
Account Code:	
CERCLIS ID:	NJD980528996
Spill ID:	96
Site Name/State:	Lower Passaic River Restoration Project/N.
Project Leader:	George Molnar
Action:	Combined RI/FS
Sampling Co:	CDM

Date Shipped:	7/21/2010
Carrier Name:	Hand Courier
Airbill:	
Shipped to:	DESA Laboratories/EPA 2890 Woodbridge Ave Bldg. 209 Edison NJ 08837 (732) 906-6886

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	7/21/10 1325		
2			
3			
4			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
10A-E21-T014-P3-AS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T014-P3-AS-C S: 7/21/2010	8:18	--
10A-E21-T014-P3-BS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T014-P3-BS-C S: 7/21/2010	8:16	--
10A-E21-T042-P1-AS-C	Surface Water	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T042-P1-AS-C S: 7/21/2010	8:42	--
10A-E21-T042-P1-BS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E21-T042-P1-BS-C S: 7/21/2010	8:41	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

D/POCSS0.7 = DOC POC Suspended Solids (0.7 um filt, SS (1.5) = Suspended Solids (1.5 um)

TR Number: 2-043013577-072110-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: R
Client No:

Region:	2	Date Shipped:	7/22/2010	**Chain of Custody Record**	Sampler Signature:
Project Code:		Carrier Name:	Hand Courier	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:		1	
CERCLIS ID:	NJD980528996	Shipped to:	DESA Laboraties/EPA 2890 Woodbridge Ave Bldg. 209 Edison NJ 08837 (732) 906-6886	2	
Spill ID:	96			3	
Site Name/State:	Lower Passaic River Restoration Project/N			4	
Project Leader:	George Molnar				
Action:	Combined RI/FS				
Sampling Co:	CDM				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
10A-E20-T175-P2-AS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (3)	10A-E20-T175-P2-AS-C	S: 7/22/2010	9:58	Lab QC
10A-E20-T175-P2-AS-X	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E20-T175-P2-AS-X	S: 7/22/2010	9:58	Field Duplicate
10A-E20-T175-P2-BS-C	Surface Water/ Melissa Koberle	L/G	D/POCSS0.7 (21), SS (1.5) (21)	(Ice Only) (2)	10A-E20-T175-P2-BS-C	S: 7/22/2010	9:56	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: 10A-E20-T175-P2-AS-C	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
D/POCSS0.7 = DOC POC Suspended Solids (0.7 um filt, SS (1.5) = Suspended Solids (1.5 um)			

TR Number: 2-043013577-072210-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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